



9-28-05
JC06 Rec'd PCT/PTO 26 SEP 2005
10/540227
Docket No.: 63573(50533)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
John S. Haurum et al.

Application No.: 10/540,227

Confirmation No.:

Filed: June 21, 2005

Art Unit: N/A

For: METHOD FOR MANUFACTURING
RECOMBINANT POLYCLONAL
PROTEINS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. A copy of an International Search Report citing eight of these references is also enclosed. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 63573(50533). A duplicate copy of this paper is enclosed.

Dated: September 23, 2005

Respectfully submitted,

By 

Melissa Hunter-Ensor, Ph.D.

Registration No.: 55,289

EDWARDS & ANGELL, LLP

P.O. Box 55874

Boston, Massachusetts 02205

(617) 439-4444

Attorneys/Agents For Applicant



Application No. (if known): 10/540,227

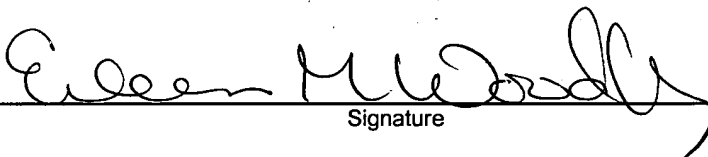
Attorney Docket No.: 63573(50533)

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 654389656 US in an envelope addressed to:

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on September 26, 2005
Date


Signature

Eileen M. Woodbury

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 439-4444
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Information Disclosure Statement (2 pages)
IDS (Citation) by Applicant (24 References) (2 pages)



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/540,227
				Filing Date	June 21, 2005
				First Named Inventor	John S. Haurum
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	63573(50533)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-5,789,208	08-04-1998	Sharon	
	AB*	US-5,677,177	10-14-1997	Wahl, et al.	
	AC*	US-6,111,166	08-29-2000	van de Winkel	
	AD*	US-4,959,317	09-25-1990	Sauer	
	AE*	US-5,654,182	08-05-1997	Wahl, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	WO-02/055718	07-18-2002			
	BB	WO-02/44361	06-06-2002			
	BC	WO-01/89563	11-29-2001			
	BD	WO-00/11155	03-02-2000			
	BE	WO-98/41645	09-24-1998			
	BF	WO-01/07572	02-01-2001			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	E. Soderlind, et al., "Recombining Germine-derived CDR Sequences for Creating Diverse Single-Framework Antibody Libraries", <i>Nature Biotechnology</i> 18:852-856 (2000).	
	CB	Y. Kuroiwa, et al., "Cloned Transchromosomal Calves Producing Human Immunoglobulin", <i>Nature Biotechnology</i> 20:889-893 (2002).	
	CC	M. Dreher, et al., "Colony Assays for Antibody Fragments Expressed in Bacteria", <i>Journal of Immunological Methods</i> 139:197-205 (1991).	
	CD	R. Grabherr, et al., "The Baculovirus Expression System as a Tool for Generating Diversity by Viral Surface Display", <i>Combinatorial Chemistry & High Throughput Screening</i> 4:185-192 (2001).	
	CE	C. Czerkinsky, et al., "A Solid-Phase Enzyme-Linked Immunospot (ELISPOT) Assay for Enumeration of Specific Antibody-Secreting Cells", <i>Journal of Immunological Methods</i> 65:109-121 (1983).	
	CF	S. Brezinsky, et al., "A Simple Method for Enriching Populations of Transfected CHO Cells for Cells of Higher Specific Productivity", <i>Journal of Immunological Methods</i> 277:141-155 (2003).	
	CG	E. Verhoeven, et al., "Evaluation of Retroviral Vector Design in Defined Chromosomal Loci by Flp-Mediated Cassette Replacement", <i>Human Gene Therapy</i> 12:933-944 (2001).	
	CH	P. Fuchs, et al., "Targeting Recombinant Antibodies to the Surface of Escherichia Coli: Fusion to A Peptidoglycan Associated Lipoprotein", <i>Biotechnology</i> 9:1369-1372 (1991).	
	CI	M. Cull, et al., "Screening for Receptor Ligands using Large Libraries of Peptides Linked to the	
Examiner Signature		Date Considered	

508974



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/540,227
				Filing Date	June 21, 2005
				First Named Inventor	John S. Haurum
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	63573(50533)

		C Terminus of the lac Repressor", Proc. Natl. Acad. Sci 89:1865-1869 (1992).	
	CJ	G. Boulot, et al., "Crystallization and Preliminary X-ray Diffraction Study of the Bacterially Expressed Fv from the Monoclonal Anti-lysozyme Antibody D1.3 and of its Complex with the Antigen, Lysozyme", J. Mol. Biol. 213:617-619 (1990).	
	CK	E. Boder, et al., "Yeast Surface Display for Screening Combinatorial Polypeptide Libraries", Nature Biotechnology 15:553-557 (1997).	
	CL	C. Gorman, et al., "Site-specific Gene Targeting for Gene Expression in Eukaryotes", Biotechnology 11:455-460 (2000).	
	CM	S. Canfield, et al., "The Binding Affinity of Human IgG for its High Affinity Fc Receptor is Determined by Multiple Amino Acids in the C _H 2 Domain and is Modulated by the Hinge Region", J. Exp. Med. 173:1483-1491 (1991).	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

508974